

**Applicant:** O'Brien and Gere Engineers, Inc.  
**Contact:** Ronald J Horan  
**Address:** 300 South Wacker Drive  
Suite 1300  
Chicago, IL 60606

**Project:** North Branch Remedial Investigation  
**Address:** 1640 North Kingsbury Avenue, Chicago

**IDNR Project Number:** 1900470  
**Date:** 07/17/2018  
**Alternate Number:** 67850

**Description:** Evaluating sediment and surface water to determine impacts of historic adjacent operations.

### Natural Resource Review Results

*This project was submitted for information only. It is not a consultation under Part 1075.*

The Illinois Natural Heritage Database shows the following protected resources may be in the vicinity of the project location:

Banded Killifish (*Fundulus diaphanus*)  
Black-Crowned Night Heron (*Nycticorax nycticorax*)

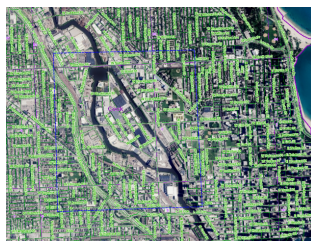
#### Location

The applicant is responsible for the accuracy of the location submitted for the project.

**County:** Cook

**Township, Range, Section:**

39N, 14E, 4  
39N, 14E, 5  
39N, 14E, 8  
39N, 14E, 9  
40N, 14E, 32  
40N, 14E, 33



#### **IL Department of Natural Resources**

##### **Contact**

Impact Assessment Section  
217-785-5500  
Division of Ecosystems & Environment

#### **Disclaimer**

The Illinois Natural Heritage Database cannot provide a conclusive statement on the presence, absence, or condition of natural resources in Illinois. This review reflects the information existing in the Database at the time of this inquiry, and should not be regarded as a final statement on the site being considered, nor should it be a substitute for detailed site surveys or field surveys required for environmental assessments. If additional protected resources are encountered during the project's implementation, compliance with applicable statutes and regulations is required.

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## EcoCAT Receipt

Project Code 1900470

APPLICANT	DATE
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O'Brien and Gere Engineers, Inc.  
Ronald Horan  
1605 Brook Court  
Suite 1300  
Aurora, IL 60504

7/17/2018

DESCRIPTION	FEE	CONVENIENCE FEE	TOTAL PAID
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EcoCAT Consultation	\$ 25.00	\$ 1.00	\$ 26.00
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TOTAL PAID	\$ 26.00
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Illinois Department of Natural Resources  
One Natural Resources Way  
Springfield, IL 62702  
217-785-5500  
[dnr.ecocat@illinois.gov](mailto:dnr.ecocat@illinois.gov)

## **banded killifish**

### *Fundulus diaphanus*

Kingdom:	Animalia
Division/Phylum:	Chordata
Class:	Osteichthyes
Order:	Atheriniformes
Family:	Fundulidae

#### **ILLINOIS STATUS**

threatened, native

#### **FEATURES**

The banded killifish is about three inches in length. It shows an olive-green coloration on the back and upper sides and a silver-white color below. Ten to 20, dark, vertical bars can be seen along the sides. The breeding male has green bars along the side, a yellow throat and yellow fins. The front edge of the dorsal fin is in front of the front edge of the anal fin. Like all killifishes, this species has a flattened head and back, an upturned mouth and large eyes. There is no lateral line.

#### **BEHAVIORS**

The banded killifish may be found in clear, glacial lakes that have much aquatic vegetation in Lake County. This fish moves in schools at or near the surface. Spawning occurs in late spring and early summer. The eggs are deposited in small clusters that stick to aquatic plants. The banded killifish eats a variety of organisms.

© Konrad P. Schmidt, University of Minnesota



adult

#### **ILLINOIS RANGE**



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## **Aquatic Habitats**

peatlands

## **Woodland Habitats**

none

## **Prairie and Edge Habitats**

none

# black-crowned night-heron

*Nycticorax nycticorax*

Kingdom:	Animalia
Division/Phylum:	Chordata
Class:	Aves
Order:	Pelecaniformes
Family:	Ardeidae

## ILLINOIS STATUS

endangered, native

The black-crowned night-heron is endangered in Illinois. It was a common, Illinois summer resident bird in the late 1800s and could be seen in wetlands throughout the state. Habitat destruction, human harassment and indiscriminate killing have led to a dramatic decline in the numbers of this species. Protection and preservation of nest and feeding sites are vital to the survival of this species in Illinois.



© Roger Cook

immature bird

## FEATURES

The black-crowned night-heron averages 23 to 28 inches in length (tail tip to bill tip in preserved specimen). This stocky-bodied, red-eyed bird has short legs and a thick, pointed bill. The adult has a cap of black feathers and black back feathers. The wing feathers are gray, and gray or white feathers cover the rest of the body. Legs are yellow-green except in the breeding season when they turn pink. Two, long white, plumes (feathers) extend back from the head during the breeding season. The immature bird is brown with white spots and streaks.

## BEHAVIORS

The black-crowned night-heron is a common migrant, uncommon summer resident and rare winter resident in Illinois. It lives in marshes, swamps, ponds, lakes and sewage lagoons. Its “quok” call may be heard at night or at twilight, when the bird is active. Migrating at night, the spring arrivals are first seen in Illinois in April. These birds first breed when one to three years old. Eggs are produced in the period from May through June. The black-crowned night-heron nests in colonies in trees or marshes often with other heron species. The nest of sticks or reeds is constructed at a height of from ground level to 160 feet. Both sexes build the nest over a two- to five-day period. The female deposits three to six, green-blue eggs on a flat, platform nest. The male and female alternate incubation duties over the 24- to 26-day incubation period. After nesting, some of these birds move north before migrating further south. Fall migrants begin arriving in Illinois in August. The black-crowned night-heron’s diet is comprised mainly of fishes.



photo provided by Dennis\_Jacobsen/pond5.com



adult



## ILLINOIS RANGE

### **Aquatic Habitats**

bottomland forests; lakes, ponds and reservoirs; marshes; rivers and streams; swamps; wet prairies and fens

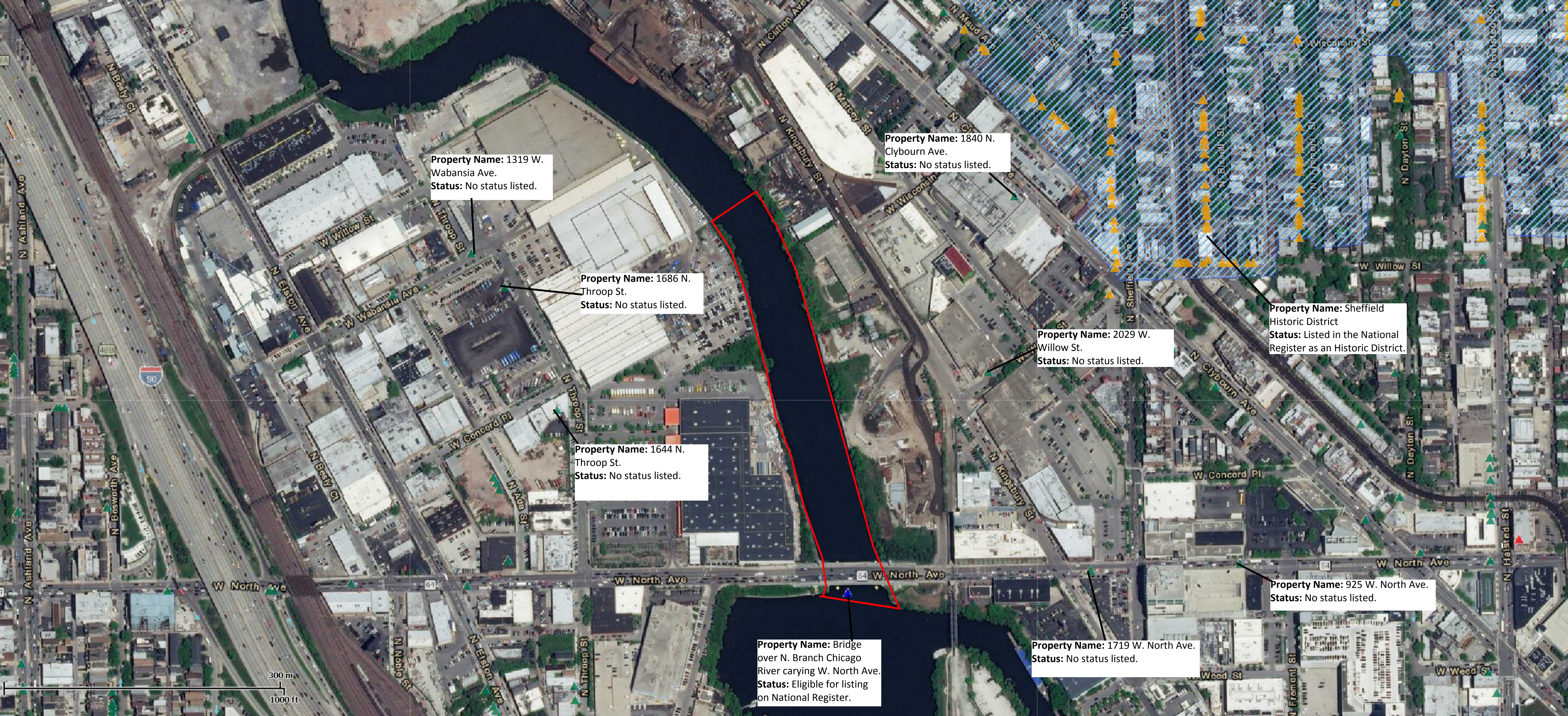
### **Woodland Habitats**

bottomland forests; southern Illinois lowlands

### **Prairie and Edge Habitats**

black soil prairie; edge





**Property Name:** 1319 W. Wabansia Ave.  
**Status:** No status listed.

**Property Name:** 1686 N. Throop St.  
**Status:** No status listed.

**Property Name:** 1644 N. Throop St.  
**Status:** No status listed.

**Property Name:** 1840 N. Clybourn Ave.  
**Status:** No status listed.

**Property Name:** 2029 W. Willow St.  
**Status:** No status listed.

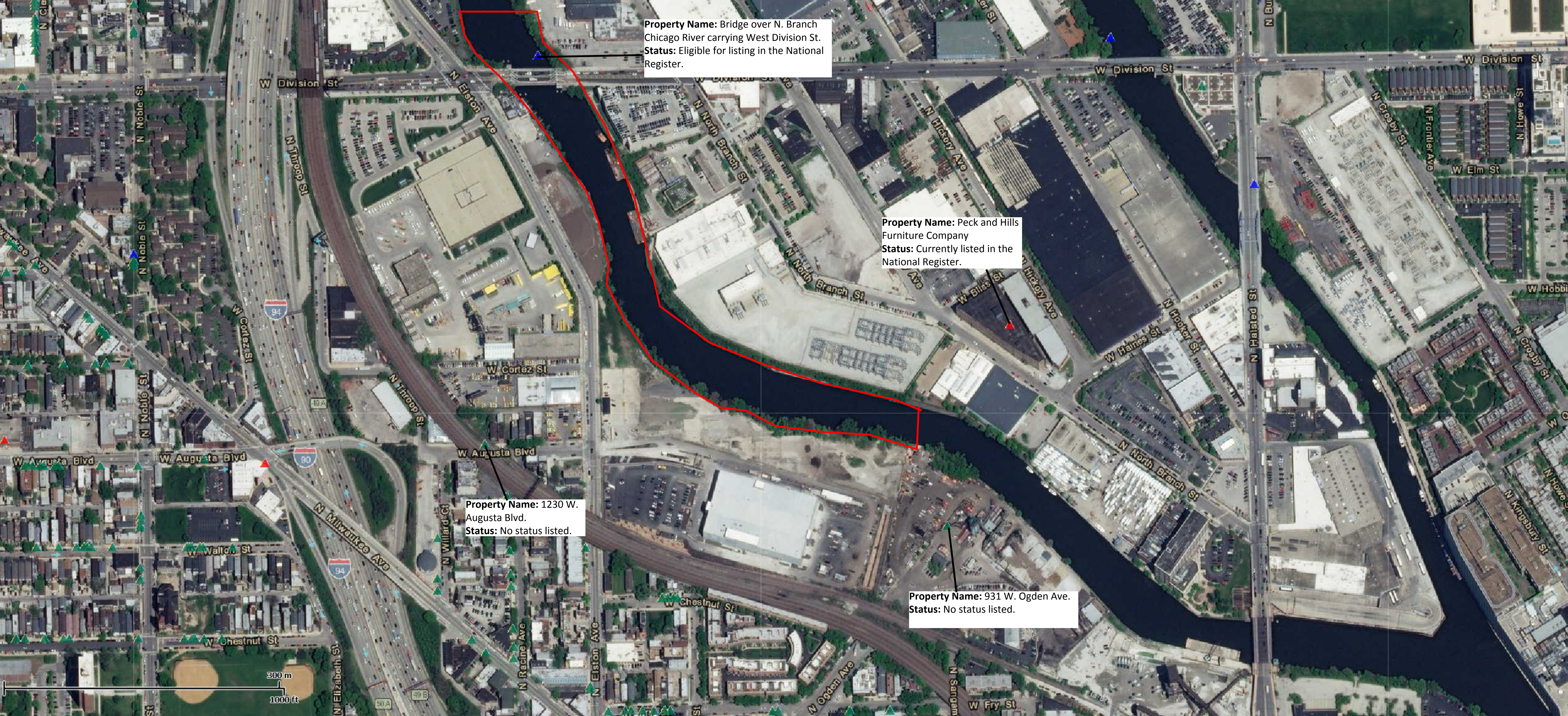
**Property Name:** Sheffield Historic District  
**Status:** Listed in the National Register as an Historic District.

**Property Name:** 925 W. North Ave.  
**Status:** No status listed.

**Property Name:** 1719 W. North Ave.  
**Status:** No status listed.

**Property Name:** Bridge over N. Branch Chicago River carrying W. North Ave.  
**Status:** Eligible for listing on National Register.





**Property Name:** Bridge over N. Branch  
Chicago River carrying West Division St.  
**Status:** Eligible for listing in the National  
Register.

**Property Name:** Peck and Hills  
Furniture Company  
**Status:** Currently listed in the  
National Register.

**Property Name:** 1230 W.  
Augusta Blvd.  
**Status:** No status listed.

**Property Name:** 931 W. Ogden Ave.  
**Status:** No status listed.

300 m  
1000 ft



**Property Name:** 1933 W. Evergreen Ave.  
**Status:** No status listed.

**Property Name:** Bridge over N. Branch Chicago River carrying W. Division St.  
**Status:** Eligible for listing in the National Register.

**Property Name:** 601 W.  
Division St.  
**Status:** No status listed.

**Property Name:** 501 and 509 W. Elm St.  
**Status:** No status listed.

**Property Name:** Peck and Hills Furniture Company  
**Status:** Currently listed in the National Register.

**Property Name:** Bridge over N. Branch Chicago River carrying N. Halsted St.  
**Status:** Eligible for listing in the National Register.

**Property Name:** Cabrini, Fancis, Houses  
**Status:** Eligible for listing in the National Register as a Historic District



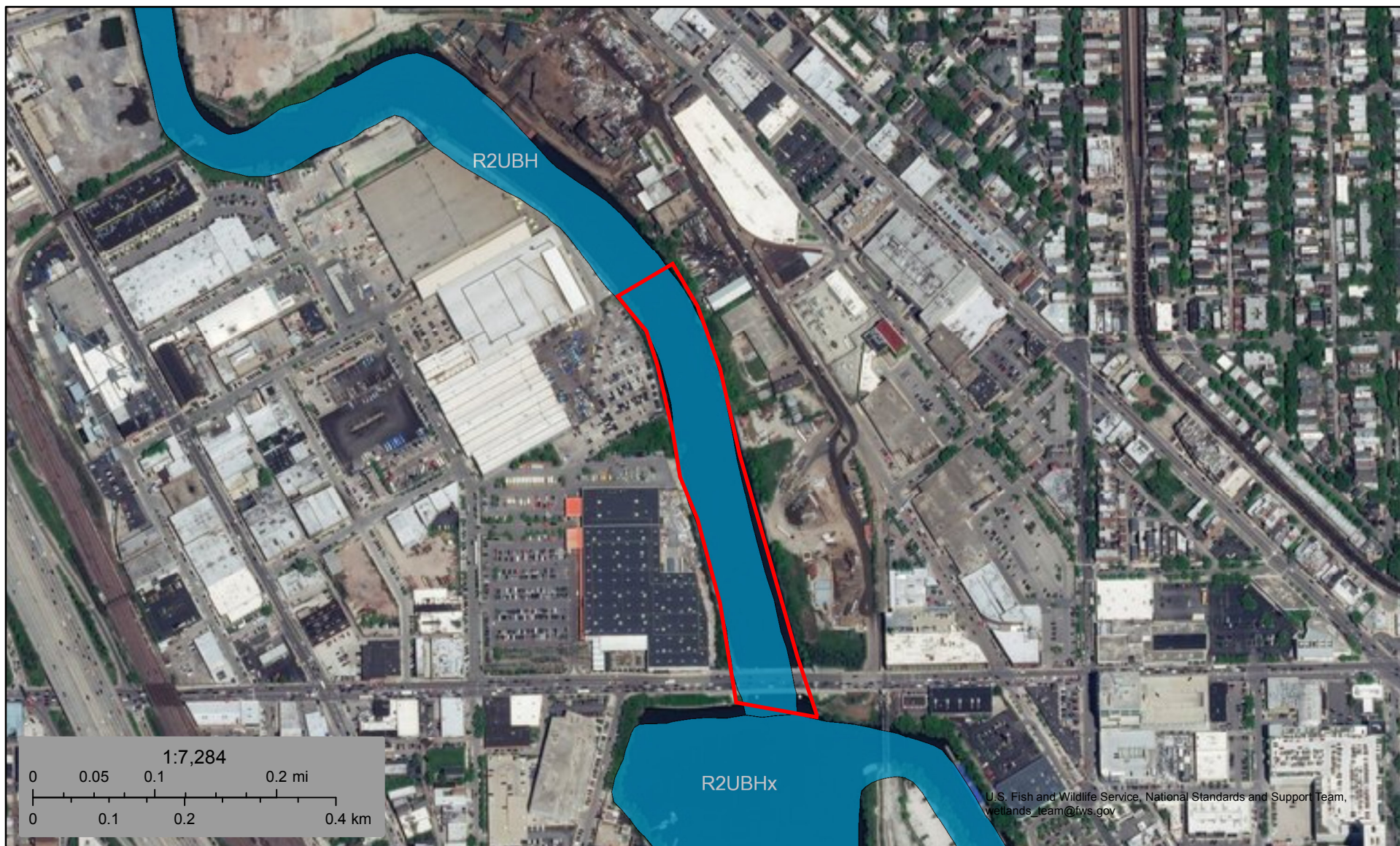




U.S. Fish and Wildlife Service

# National Wetlands Inventory

## Willow Street Adjacent NWI Map



July 16, 2018

### Wetlands

	Estuarine and Marine Deepwater		Freshwater Emergent Wetland		Lake
	Estuarine and Marine Wetland		Freshwater Forested/Shrub Wetland		Other
			Freshwater Pond		Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.





U.S. Fish and Wildlife Service

# National Wetlands Inventory

## Division Street Adjacent NWI Map



July 16, 2018

### Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

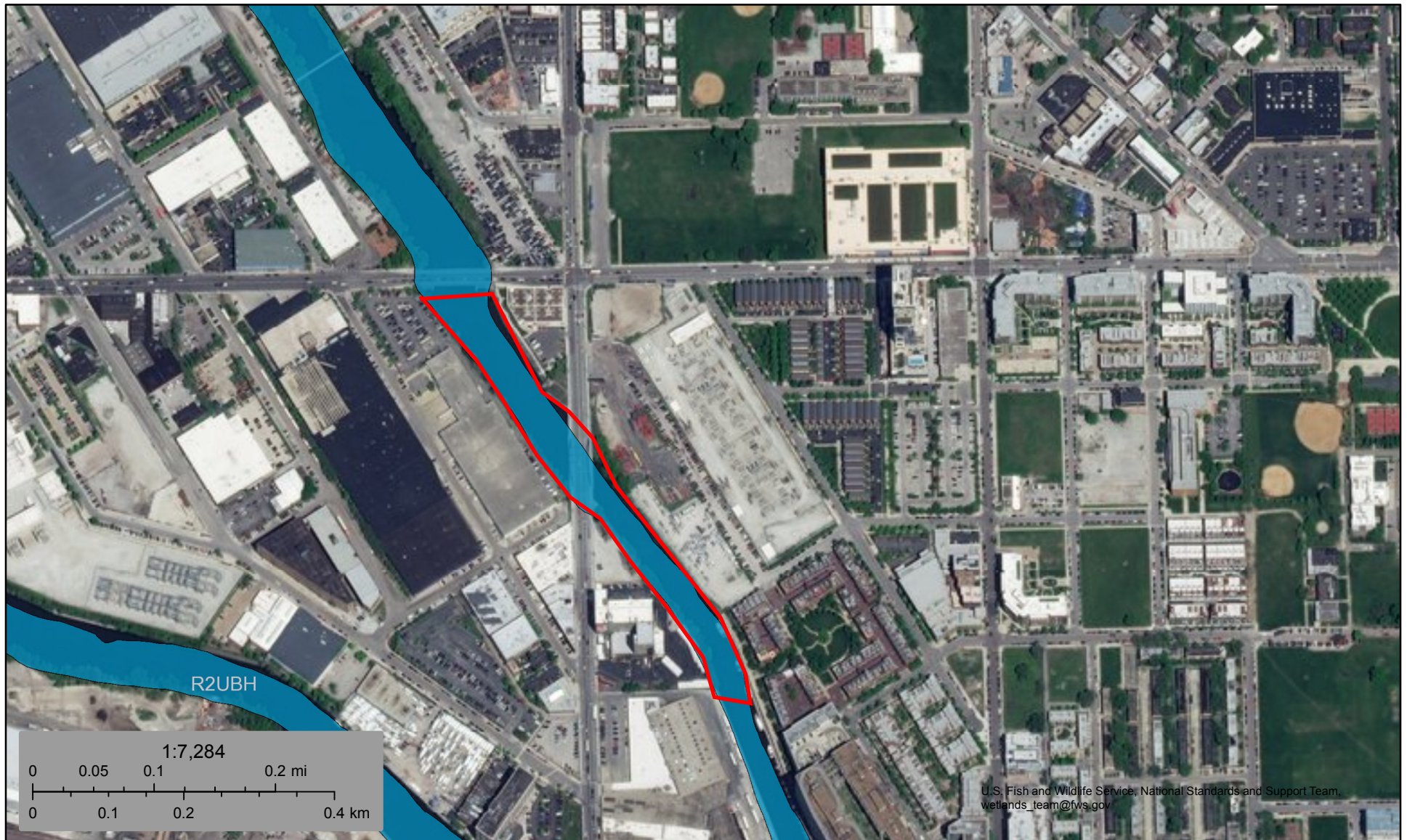




U.S. Fish and Wildlife Service

# National Wetlands Inventory

## North Station Adjacent NWI Map



July 16, 2018

### Wetlands

	Estuarine and Marine Deepwater		Freshwater Emergent Wetland		Lake
	Estuarine and Marine Wetland		Freshwater Forested/Shrub Wetland		Other
			Freshwater Pond		Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.